

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 06-182672

(43)Date of publication of application : 05.07.1994

(51)Int.Cl.

B25B 21/00

(21)Application number : 04-339933

(71)Applicant : HITACHI KOKI CO LTD

(22)Date of filing : 21.12.1992

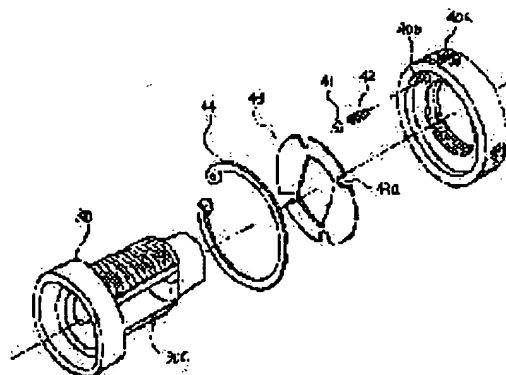
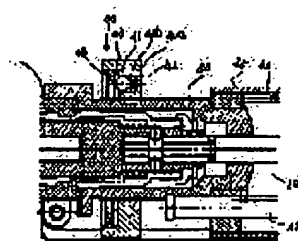
(72)Inventor : WATANABE MASANORI  
YASUKURA YASUSHI

## (54) ELECTRIC THREAD FASTENER

### (57)Abstract:

**PURPOSE:** To prevent the malfunction of the thread fastening depth adjusting mechanism of an electric thread fastener constituted of a thread hold section reciprocated in the thrust direction and a stopper restricting the retreat of the preset quantity or above of the thread hold section and capable of being moved in the thrust direction.

**CONSTITUTION:** A spring 42 and a steel ball 41 are buried in the hole 40b of the side face of the stopper ring 40a of a stopper 40 adjusting the fastening depth, a stop plate 43 having a notch section 43a coupled with the steel ball 41 is hooked by a washer 44, the thread section of a coupling 30 is not scraped by the steel ball 41, and the malfunction of the stopper 40 due to the scraped powder is prevented.



## LEGAL STATUS

[Date of request for examination] 25.09.1998

[Date of sending the examiner's decision of rejection] 10.10.2000

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office